

Date: Thu, 27 Jan 94 16:30:31 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #80  
To: Info-Hams

Info-Hams Digest                      Thu, 27 Jan 94                      Volume 94 : Issue    80

Today's Topics:

                    \*\*YAESU PARTS HELP\*\*  
                    Callbook Server  
                    CW filters and DSP-9 (2 msgs)  
                    Famous hams  
                    FCC RF Spectrum Allocation?  
                    FTP site for Keps  
                    general  
                    htx-202 or dj-162 ?  
Illegal Activities of Dominique Cormann (Re: CB/HAM equipment)  
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Of Wouff Hongs and Royal Rites (2 msgs)  
                    Power Line Interference (2 msgs)  
                    Warning About FT-415/815 mod on world  
                    Yeasu FT416 mods wanted

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 26 Jan 94 08:33:22 CST  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usenet.ins.cwru.edu!  
ukma!netnews.wku.edu!bcobb@network.ucsd.edu  
Subject: \*\*YAESU PARTS HELP\*\*  
To: info-hams@ucsd.edu

HELP!!! I HAVE A FT-901DM (HF RIG) WHICH NEEDS SOME PARTS..ANYBODY  
HAVE A NUMBER FOR YAESU PARTS OR AN IDEA WHERE OLDER YAESU PARTS CAN  
BE FOUND? THANKS... BOB KA4CLL

-----  
Date: 26 Jan 1994 07:41:51 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!wupost!bigfoot.wustl.edu!cec1!  
j1w3@network.ucsd.edu  
Subject: Callbook Server  
To: info-hams@ucsd.edu

Shawn Conahan (sconahan@ccantares.wcupa.EDU) wrote:  
: Willie Smith writes:

: >...Did the internet call book go away,...

: No, it hasn't vanished, it can still be reached by telnet at

: cc.buffalo.edu 2000

: (notice the word "callsign" is omitted from the address). 73

: --

: Shawn T. Conahan, Ph.D.

: N3CGT

: sconahan@ccantares.wcupa.edu

Is it just me or does this really not work? I have always used the other  
one, but I tried this out--  
callsign.cs.buffalo.edu 2000 works much better from here (considering that  
cs.buffalo.edu gives me an "unknown host" reply)

-----  
Date: Wed, 26 Jan 1994 19:47:22 GMT  
From: news.cerf.net!pagesat.net!olivea!spool.mu.edu!howland.reston.ans.net!  
vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!srigenprp!alanb@network.ucsd.edu  
Subject: CW filters and DSP-9  
To: info-hams@ucsd.edu

Ignacy Misztal (ignacy@ux2.cso.uiuc.edu) wrote:  
: wvanhorn@magnus.acs.ohio-state.edu (William E Van Horne) writes:

: >Kein{nen Paul wrote:

: >Can someone with a great deal more technical knowledge than I have

: >state just what is the minimum usable bandwidth for a 10-20 WPM CW

: >signal, and how much audible ringing is truly inescapable?

: I assume that G is an average-size letter in Morse and the  
: transmission is at 120 wpm (2 characters/s). ...

120 wpm is 2 WORDS per second, or about 10 characters per second.

In my previous posting, I analyzed the required bandwidth based on a ringing fall-off rate of three time constants during the "off" time between dits and dahs. Ignacy's method of looking at the frequency content of the baseband signal (i.e. the keying rate) is also valid.

The highest pulse repetition frequency is when you are sending a string of dits (for example, the letter H or the number 5.) My previous example of 48 wpm results in 20 dots per second. A Morse code signal can be considered to be an AM (amplitude modulated) signal that is 100% modulated with a square wave, in this case a 20 Hz square wave. Since an AM signal has two sidebands, the bandwidth must be at least 40 Hz.

My previous result was 38 Hz, in good agreement with the above result. The required bandwidth is proportional to keying speed so, for example, 24 wpm would require about 20 Hz, etc.

AL N1AL

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Date: Wed, 26 Jan 1994 19:53:46 GMT  
From: news.cerf.net!pagesat.net!olivea!spool.mu.edu!howland.reston.ans.net!  
vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!srigenprp!alanb@network.ucsd.edu  
Subject: CW filters and DSP-9  
To: info-hams@ucsd.edu

Rajiv Dewan (rdewan@casbah.acns.nwu.edu) wrote:

..  
: Each dot is encoded by an dot time length on and a dot time length off, i.e., a  
: cycle of twice the dot length. This is like multiplying a 50Hz square wave  
: with a 750 Hz tone. To maintain some semblance of square shape,  
: one would want to include the fundamental and at least the third harmonic.  
: This results in a minimum bandwidth of 150Hz. ...

It's actually twice that, since the modulated 750 Hz tone has two sidebands.

AL N1AL

-----  
Date: 24 Jan 1994 10:15:54 -0800  
From: sdd.hp.com!cs.utexas.edu!swrinde!sgiblab!sgigate.sgi.com!olivea!apple.com!  
apple.com!not-for-mail@network.ucsd.edu  
Subject: Famous hams  
To: info-hams@ucsd.edu

mosier@fagan.uncg.edu (Stephen Mosier) writes:

>AND A FEW OTHER FAMOUS ONES HEARD ON THE AIR...

>RG8U

>R2D2

You forgot 5Z4GT. I thought I might fully rectify the e^Homission.

73,

Kok Chen, AA6TY kchen@apple.com  
Apple Computer, Inc.

-----  
Date: Wed, 26 Jan 1994 16:02:13 GMT  
From: utcsri!newsflash.concordia.ca!sifon!clouso.crim.ca!hobbit.ireq.hydro.qc.ca!  
cumin.telecom.uqam.ca!news@uunet.uu.net  
Subject: FCC RF Spectrum Allocation?  
To: info-hams@ucsd.edu

In article <rjk.759520576@access1> rjk@access1.digex.net (Robert J. Keller)  
writes:

>

>I don't have handy at the moment where on the net you might find this,  
>but the FCC's spectrum allocations are set forth in Part 2 of its Rules.  
>You need Subpart B of Part 2 of Title 47 of the Code of Federal  
>Regulations. In legalese (not that the foregoing was actually English)  
>that is "47 C.F.R. sections 2.100 - 2.108 and it is called the  
>"Allocation, Assignment, and Use of Radio Frequencies," more commonly  
>called, the Table of Allocations.

>

>I recall seeing that there is a Gopher site somewhere that is  
>experimentally offering access to at least some portions of CFR, but  
>unfortunately I don't have the reference handy at the moment.

>

>Good luck.

>--

>Bob Keller (KY3R) rjk@telcomlaw.win.net Tel 301.229.5208 Fax 301.229.6875  
>

I would guess that you could get that info at M.I.T.

on the ftp site : /pub/telecom-archives or something like that .

they also have a very good http site (hypertext)

.... hope that helps ...

Luc Gagnon T.P. VE2 LGN

E.T.S. - Quebec University  
Montreal Quebec Canada

luc@ele.etsmtl.ca

-----  
-----  
Date: 27 Jan 94 21:28:57 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: FTP site for Keps  
To: info-hams@ucsd.edu

Hi--

I know there is an ftp site out there for getting the keplarian elements. I use to remember what it was, but I have long since forgotten it. I would appreciate any help.....Thanx & 73's....Gary AA9JS

internet: st1860@siucvmb.siu.edu  
bitnet: st1860@siucvmb.bitnet  
packet: aa9js@kd9sg.#sil.il.usa

-----  
Date: 27 Jan 94 22:26:06 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: general  
To: info-hams@ucsd.edu

subscribe newsgroup.  
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Date: Wed, 26 Jan 1994 12:12:25 -0500  
From: sdd.hp.com!col.hp.com!csn!hellgate.utah.edu!cc.usu.edu!NewsWatcher!  
user@network.ucsd.edu  
Subject: htx-202 or dj-162 ?  
To: info-hams@ucsd.edu

I have pretty much narrowed down my choice to these two 2m ht's.

I'd like to get comments and opinions from people in the net who have actually used both.

currently, I am leaning towards the dj-162 because of its wide receive.

please email responses if possible.  
thanks in advance.

jerry

-----  
Date: 26 Jan 1994 06:46:43 GMT  
From: agate!howland.reston.ans.net!EU.net!news.forth.gr!helios.intranet.gr!  
phaethon!demetre@network.ucsd.edu  
Subject: Illegal Activities of Dominique Cormann (Re: CB/HAM equipment)  
To: info-hams@ucsd.edu

>The reason I am selling this, is that I am getting my HAM license soon, and  
>am starting to look for a 2 meter radio. I will also trade the above setup,  
>for a good 2 meter setup, make me an offer.

Not if I can help it. I will use any influence I have left as the Former Public Service Director of the Northern Alberta Radio Club, and any avenues of information transfer, such as the Packet Radio system, to ensure that people of your kind are carefully scrutinized. This will not prevent you receiving your ticket, but it may make you very uncomfortable when your past catches up with you.

I was shocked from this message !! I always thought that Amateur Radio was created and is still popular due to it's promotion of friendship !! So what if the man was a "pirate", what matters \*now\* is the fact that he is going straight !!! If he seems to be sincere about his "turn around" he should be given the chance to do so !!!  
Every possible effort must be made to reform the radio pirates with the real \*amateur" way, not with threats and vengeance like you have done !!

73's

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Date: 27 Jan 94 20:03:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: INDEX  
To: info-hams@ucsd.edu

INDEX  
HELP  
INFO  
2-METER

-----  
Date: 27 Jan 94 20:14:29 GMT  
From: sdcc12!sdcc14!ph600fgr@network.ucsd.edu  
Subject: Is portable radio use possible in remote wilderness areas?  
To: info-hams@ucsd.edu

I do much backpacking, and increasingly I go alone. I'm thinking about the possibility of bringing a communications radio with me. Do these things have a large enough range to work out in the wilderness? I typically find myself only in California.

What's the cost involved, and how big are the radios?

-Matt

--

Internet: mbharrin@ucsd.edu  
Bitnet: MBHARRIN@UCSD.BITNET

-----  
Date: 24 Jan 94 06:06:26 GMT  
From: netcomsv!netcom.com!wb6w@decwrl.dec.com  
Subject: LA Comms  
To: info-hams@ucsd.edu

Steven Jackson (jackson@longlast.cs.nyu.edu) wrote:  
: Hello all, and good luck to the LA residents.

: What kind of communications did amateurs take part in during the emergency  
: out there? I love to speculate (the less you know, the more you guess) but  
: I would like to know for sure what kind of things kick into action when  
: something like that strikes.

I listened to some of the comms in Socal. What I heard reminded me very much of what was going on here (NorCal) after our 7.1 in '89. CelTel has had a LOT of publicity as has Internet. At the same time, I've seen NO media mention of Amateur Radio activity down there. Sheesh!

While CelTel seems to indicate that any boob can provide comms in a disaster, keep in mind that CelTel relies on landline and that the CelTel "HT" is just as subject to dead battery syndrome and a 2m HT. The difference is that the ham has (hopefully) had some training on \*HOW\* to handle disaster comms and some idea of where his next battery charge is coming from.

The experience with cell tel in '89 was that it didn't work very well when the batteries were charge and not at all when they weren't.

- Glenn wb6w

-----  
Date: 24 Jan 94 05:59:51 GMT  
From: agate!howland.reston.ans.net!wupost!crcnis1.unl.edu!engvms.unl.edu!  
tmdpsrs@ucbvax.berkeley.edu  
Subject: nearby broadcast antennas  
To: info-hams@ucsd.edu

Hello All,

I have a question about a possible interference problem that I may soon be experiencing.

I am considering a move from my current QTH to a new apartment. However, the apartment I'm considering is located immediately next to three transmitting towers. All three are commercial broadcast stations, one FM (102.7 MHz), one TV (Channel 10) and one AM (1240 kHz). I am currently active on 2 m, 440 MHz, and am very active on HF for shortwave listening and will soon be working the HF ham bands. I am worried that moving so close to the towers will cause problems with the performance of my equipment (noise, desensing, images, intermod, etc.)

I plan to set up some dipoles very close to the tower sites and am worried that it could ruin my enjoyment of the radio hobby if all the RF causes problems. Has anybody had any experience with this??? Is it anything to worry about??? Any experiences anyone has had (or even just bold speculations from more seasoned operators/listeners) would be greatly appreciated.

Thanks in advance,

Ron Synowicki, KG0HX  
TMRDPSRS@ENGVMS.UNL.EDU



-----  
Date: Thu, 27 Jan 1994 10:12:36  
From: sdd.hp.com!spool.mu.edu!howland.reston.ans.net!pipex!uknet!cf-cm!  
d089.elsy.cf.ac.uk!SPEMG1@network.ucsd.edu  
Subject: Need info on CCW  
To: info-hams@ucsd.edu

I need info on Coherent CW (Rigs, Kits, Books etc.). Can anybody point me to the right direction please

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Date: Wed, 26 Jan 1994 20:50:02 GMT  
From: news.cerf.net!pagesat.net!olivea!news.bu.edu!att-in!att-out!cbnewst!  
waco@network.ucsd.edu  
Subject: Of Wouff Hongs and Royal Rites  
To: info-hams@ucsd.edu

jwittich@b4pph107.bnr.ca (Jeffrey Wittich) writes

>Hi, everybody. Well, its about spring, and that means we are  
>getting ready for the local HamFest round here. Im looking  
>at the hamfest flyer, and one on the events listed is  
>The Royal Order of Whoff Hong Induction. Well ya see, Im kind  
>of a new guy, and dunno what thats all about. I asked about it  
>the local 2 meter repeater, and you should have heard the  
>snickers and snorks. I quickly surmised that it was a secret.

Yep, it is a secret.

> So keeping with the spirit of fun, I will not just ask  
>what this is all about, but I do have a few questions:  
>  
>1. Is it something that the OFs will enjoy at us new guys expense?

You're very perceptive.

>2. Is it an event that I would prefer no one had a camera at?

Yep.

>3. Would I be any less likely to get home that night than any  
> other night?

I would hope not.

>4. Will my health insurance cover anything thats likely to happen?

Best check it out.

>5. Is there a potential for any embarrassment to any involved?

Of course not.

>6. Could I be black-mailed for being there?

Only if someone knows about it.

>7. Why am I so paranoid about this?

Probably been on too many snipe hunts as a bag holder.

>Thanks guys, and heres the Email address:

>jwittich@b4pph107.bnr.ca

>

>I will let you know what happened (maybe) in May.

Probably will be unable to break the sworn code of silence due  
to great bodily peril involved for doing so.

>C ya.

>

>-----

>--Jeff--      AC4Z0              BNR claims they know nothing of my employment  
>                                   here.    Specially when my attorney calls.

>-----

Jeff,

I must confess I don't know much more about it than you.    It's one of  
the most mystic parts of the hobby.    Enjoy the hamfest.

73,

John, WB9VGJ

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=====
John L. Broughton | snail mail: Room 1K-322
AT&T               |                1200 E. Warrenville Rd.
                   |                P.O. Box 3045
                   |                Naperville, IL 60566-7045
                   |                (708) 713-4319
                   |      e-mail: john.l.broughton@att.com
                   |      att!john.l.broughton
                   |      air mail: WB9VGJ
```

=====

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Date: 27 Jan 94 20:27:34 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Of Wouff Hongs and Royal Rites  
To: info-hams@ucsd.edu

1. Is it something that the OFs will enjoy at us new guys expense?  
not really.
2. Is it an event that I would prefer no one had a camera at?  
not usually
3. Would I be any less likely to get home that night than any  
other night?  
nope...but usually it's late when it's performed.
4. Will my health insurance cover anything thats likely to happen?  
yes.
5. Is there a potential for any embarassment to any involved?  
a little
6. Could I be black-mailed for being there?  
not to my knowledge...
7. Why am I so paranoid about this?  
dunno. you do get a certificate out of it all....but we can't tell you what's  
going to happen.

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Date: Wed, 26 Jan 1994 14:55:24 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
europa.eng.gtefsd.com!emory!kd4nc!ke4zv!gary@network.ucsd.edu  
Subject: Power Line Interference  
To: info-hams@ucsd.edu

In article <1994Jan25.140537.16951@ccd.harris.com> drs@ccd.harris.com (Doug  
Snowden) writes:

>Please don't tell me to go beat on the pole!

Well that's what the power company is going to do. Many problems like  
this are due to something coming loose mechanically on the pole. Jarring  
it is the way they pin it down. This \*is\* best left to professionals,  
however, since a possibility exists that striking the pole could make  
a permanent short, or drop something on you.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary

534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: Tue, 25 Jan 1994 14:05:37 GMT  
From: agate!howland.reston.ans.net!sol.ctr.columbia.edu!jabba.ess.harris.com!  
mlb.semi.harris.com!controls.ccd.harris.com!drs@network.ucsd.edu  
Subject: Power Line Interference  
To: info-hams@ucsd.edu

For the past 3 years I have been trying to track down some noise that appears to be coming from the power lines. I have walked around with a portable radio, driven around (for miles in all directions) in my car seeking the source. The source seems to come from one of the two power poles across the street from me.

This noise tends to show up in the Winter time or on cool or rainy Summer days. In the Summer time I might have the noise on a day that remains cloudy (therefore cooler). In the Winter time the noise also tends to also show up mostly (but not always) at night time when it is cooler. We are talking about Florida, so in the Winter time it doesn't normally get that cold. Now here is the weird part: The noise has a cyclic period of about 1.5 seconds on and 1.5 seconds off. This part doesn't vary. If I have the noise, it has this period. Now there are no capacitors on the power poles around me. The pole that I suspect has a transformer on it. Can a transformer do this? How? Is there some sort of capacitor or protection circuit on these xfmr's that can do this?

Normally, I cannot determine the source (this changes). My 20 meter beam seems to tell me which pole the noise comes from, but if I walk up to the pole, with a portable radio I normally am not able to zero in on it. I have called the power company in the past to repair a problem which I was able to point them to. I am reluctant to call them on this one, even though it tears up all from 1500 khz to 21 mhz. I have heard that this sort of interference can originate miles away and be picked up by the power lines at some distant point (my house). I imagine I'll call the power company for resolution, but would like any input I can get before I do it. Please don't tell me to go beat on the pole!

— —

Doug Snowden  
drs@ccd.harris.com  
N4IJ

Date: 26 Jan 1994 16:58:32 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!gatech!  
mailer.acns.fsu.edu!freenet2.scri.fsu.edu!ijordan@network.ucsd.edu  
Subject: Warning About FT-415/815 mod on world  
To: info-hams@ucsd.edu

Sorry guys. Mail problems. The warning was that after you do the mod for  
the ft-415/815 that is on world.std.com, you loose your Automatic Repeater  
Offset (ARO) capability. It's a tradeoff. Bummer.

--

\* \* Ian Jordan \* \*

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Date: 26 Jan 1994 16:56:29 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!gatech!  
mailer.acns.fsu.edu!freenet2.scri.fsu.edu!ijordan@network.ucsd.edu  
Subject: Yeasu FT416 mods wanted  
To: info-hams@ucsd.edu

Read the FT-415 mods. Exactly the same internally. Get 'em of FTP from  
world.std.com! But the extend tx mod will kill your Automatic repeater  
offset (ARO), so you have to be willing to loose that.

--

\* \* Ian Jordan \* \*

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End of Info-Hams Digest V94 #80

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